THE CLAIMS

Claims 1-24 are pending in the instant application. Claims 1 and 12 are independent. Claims 2-11 and 13-24 depend from independent claims 1 and 12, respectively.

Listing of claims:

1. (Previously Presented) A method of providing physical port security in a digital communication system, comprising:

receiving a frame of digital data at a network device;

generating a destination port bit map based on the destination address information contained in said frame of digital data;

comparing said destination port bit map with a physical port security bit map to generate a bit map of allowed destination ports, wherein said physical port security bit map is generated, after said receiving, based on information in said received frame of digital data; and

forwarding said frame of digital data to one or more of said allowed destination ports.

- 2. (Previously Presented) The method of claim 1, wherein said comparing comprises conducting a logical AND on said destination port bit map and physical port security bit map.
- 3. (Previously Presented) The method of claim 1, comprising generating said physical port security bit map using source address information contained in said digital data frame.
- 4. (Previously Presented) The method of claim 1, comprising generating said physical port security bit map using destination address information contained in said digital data frame.
- 5. (Previously Presented) The method of claim 1, comprising generating said physical port security bit map using a combination of source and destination address information contained in said digital data frame.
- 6. (Previously Presented) The method of claim 1, wherein said address information comprises IP address information.
- 7. The method of claim 1, wherein said frame of digital data is received by a router.

- 8. (Previously Presented) The method of claim 1, wherein said frame of digital data is received by a network file server.
- 9. (Previously Presented) The method of claim 1, wherein said network device comprises one or more physical ports connected to a local area network.
- 10. (Previously Presented) The method of claim 1, wherein said received frame of digital data is received from a process that is inside of said network device.
- 11. (Previously Presented) The method of claim 1, wherein said physical port security bit map is generated dynamically based on a variable parameter.
- 12. (Previously Presented) A system for providing physical port security, comprising:

at least one processor within a network device, said network device having a communications port for receiving digital data from a digital communications system and two or more physical data ports for forwarding said digital data, said at least one of processor enables:

generation of a destination port bit map based on destination address information contained in said received digital data;

comparing of said destination port bit map with a physical port security bit map to generate a bit map of allowed destination ports, wherein said physical port security bit map is generated, after said receiving, based on information within said received digital data; and

forwarding of said digital data to one or more of said allowed destination ports.

- 13. (Previously Presented) The system of claim 12, wherein said at least one processor enables conducting of a logical AND operation on said destination port bit map and said physical port security bit map.
- 14. (Previously Presented) The system of claim 12, wherein said physical port security bit map is generated using source address information contained in said digital data.
- 15. (Previously Presented) The system of claim 12, wherein said physical port security bit map is generated using destination address information contained in said digital data.
- 16. (Previously Presented) The system of claim 12, wherein said physical port security bit map is generated from a table of stored allowed physical port addresses

that varies depending on a combination of source and destination address information contained in said digital data.

- 17. (Previously Presented) The system of claim 12, wherein said address information comprises IP address information.
- 18. (Previously Presented) The system of claim 12, wherein said network device comprises a router.
- 19. (Previously Presented) The system of claim 12, wherein said network device comprises a network file server.
- 20. (Previously Presented) The system of claim 12, wherein said two or more physical data ports of said network device are connected to a local area network.
- 21. (Previously Presented) The system of claim 12, wherein said digital data comprises IP data.
- 22. (Previously Presented) The system of claim 12, wherein said at least one processor retrieves said physical port security bit map based on IP source address contained in said digital data.

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- 23. (Previously Presented) The system of claim 12, wherein said network device is the source of said received digital data.
- 24. (Previously Presented) The system of claim 12, wherein said physical port security bit map is dynamically altered based on a variable parameter.